

DESCRIPTION

Enclosed and gasketed, rugged construction and three especially selected shielding elements make this fixture ideally suited for use in various types of medical applications. The door is constructed of heavy gauge aluminum and has mitered corners. The doors have a continuous aluminum piano hinge and tamper proof fasteners. The trim, door, and shielding are completely gasketed to minimize maintenance. Flange or lay-in trim styles interface with plaster or mechanical ceilings. Fixtures are installed as individual or in continuous runs.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Mounting

Recessed, 1/2" liquid tight connector.

Lamps

By Others.

Ballast

Standard Class P, CBM/ETL ballast.

Housing

20 ga cold rolled steel.

Shielding

IK12 lexan prismatic lens, 93 tempered glass lens, KSH25 acrylic prismatic lens.

Finish

Baked on low gloss white powder coated polyester-epoxy.

Options

Gasketed door suitable for wet location. UL listed no. 13386.

Dimming

Consult Cooper Lighting Representative.

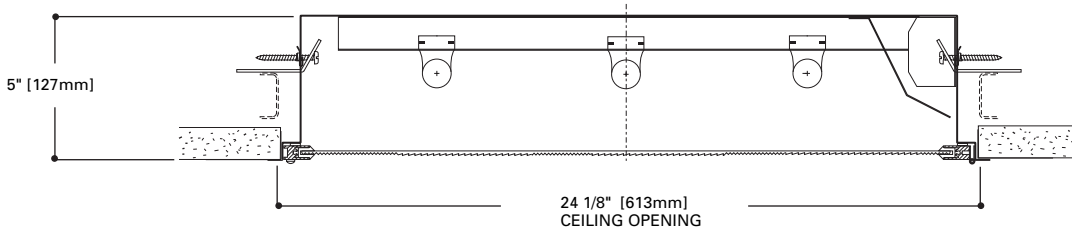
Emergency

Em-3 battery pack, 90 minutes at 20% initial output for one 32W lamp operation.



MRM

1' X 4', 2' X 2', 2' X 4'
FLUORESCENT
MEDICAL RECESSED



ORDERING INFORMATION

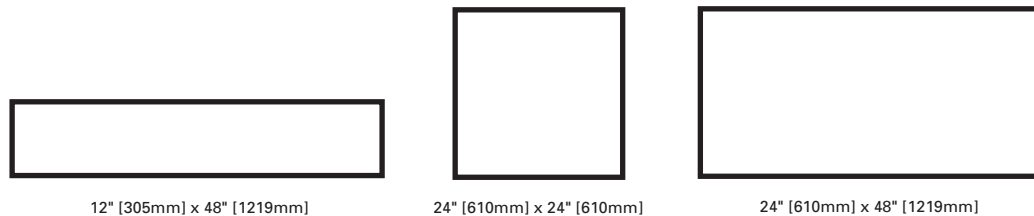
SAMPLE NUMBER: MRM-G-12-217-120-IP12-EB81-EBP

Series	Mounting	Width	No. of Lamps	Wattage	Voltage	Lens Type	Ballast	Options
MRM								
MRM=Medical Recessed (wet location standard)	G=Grid F=Flange	12=1' width (2 Lamps Max) 24=2' width	1 2 3 4	2' Length 17W=17W T8 Lamp 40BW=40W Biax Lamp (2 Max for 1' Width) (3 Max for 2' width) 4' Length 28W=28W T5 Lamp 32W=32W T8 Lamp 54W=54W T5HO Lamp	120=120V 277=277V 347=347V IK12=K-12 Prismatic Acrylic IP12=K-12 Prismatic Polycarbonate KSH25=Bat Wing Distribution 93=Prismatic Tempered Glass		EB81=(1) Ballast for use with T8 Lamp EB82=(2) Ballasts for use with T8 Lamp EB51=(1) Ballast for use with T5 Lamp EB52=(2) Ballasts for use with T5 Lamp	EBP=Emergency Battery Pack GLR=Fuse and Holder RIF=Radio Frequency Interference Filter FNL=Fluorescent Night Light, 2 pin (G23 Base), 7 or 9W twin tube (Lamps by others. LNL= LED Night Light (50,000 hrs.) provided by Cooper

Notes:

For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.

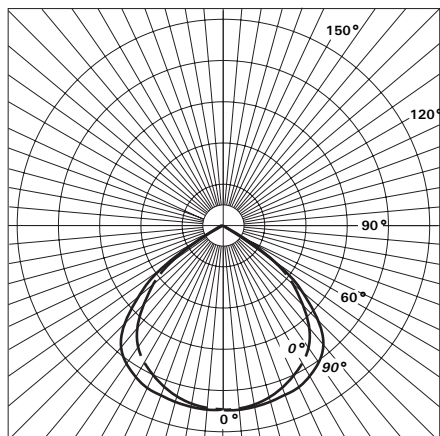
STANDARD LUMINAIRE SECTION



12" [305mm] x 48" [1219mm]

24" [610mm] x 24" [610mm]

24" [610mm] x 48" [1219mm]



Report No. 393932.3274 for Cat No.3F/2444-S58
Lamp Type: F40T12RS/WW, 3200 lumens

Coefficients Of Utilization

Effective floor cavity reflectance										20%		
rc	80%					50%			30%			
rw	70	50	30	10		50	30	10		50	30	10
RCR												
1	68	66	64	52		62	61	59		60	59	57
2	64	60	56	53		56	54	51		54	52	50
3	59	54	50	46		51	48	45		49	47	44
4	55	48	44	40		46	42	40		45	42	39
5	50	44	39	35		42	38	35		40	37	34
6	47	39	34	31		38	34	31		37	33	30
7	43	35	31	27		34	30	27		33	30	27
8	40	32	27	24		31	27	24		30	26	23
9	37	29	24	21		28	23	20		27	23	20
10	34	26	21	18		25	21	18		25	21	18

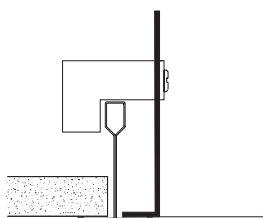
Zonal Lumen Summary

Zone	Lumens	Lamp%	Fixt%
0-30	3097	16.1	30.4
0-40	8711	45.4	85.5
0-90	10183	53.0	100.0
Total Luminaire Efficiency= 53.0%			

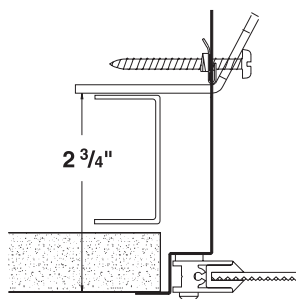
Candlepower

Vertical Angle	Horizontal Angle		
	0	45	90
π0	3160	3160	3160
5	3150	3160	3160
15	3040	3080	3120
25	2820	2940	3000
35	2450	2080	3120
45	1820	1990	2070
55	1180	690	1210
65	484	375	510
75	207	274	210
85	52.5	56	35.1
90	0	0	0

TYPICAL MOUNTING INFORMATION SERIES 3F/T8

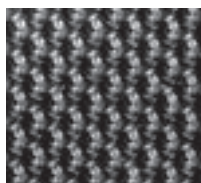


D LAY-IN GRID

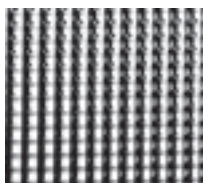


BK WET PLASTER OR SHEET ROCK

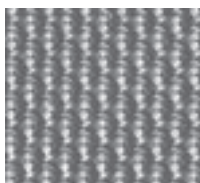
SHIELDING



S40 Lexan Lens
1/8" thick, clear
hexagonal prisms,
high impact, shatter
proof.



S44 Glass Lens
5/32" thick, clear
square prisms, pattern
#73, controls
brightness, tempered
glass lens, high
impact, shatter proof.



S58 Acrylic Lens
1/8" thick, clear
acrylic prismatic
lens.